

First Hit

L1: Entry 1 of 2

File: JPAB

Apr 14, 1987

PUB-NO: JP362081379A

DOCUMENT-IDENTIFIER: JP 62081379 A

TITLE: ANTITUMOR SUBSTANCE ACHIMILIC ACID A LACTONE

PUBN-DATE: April 14, 1987

INVENTOR-INFORMATION:

NAME

COUNTRY

ISHII, HIROSHI

SAKURAI, KENSUKE

TOJO, TAKEHIKO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

SHIONOGI & CO LTD

APPL-NO: JP60222371

APPL-DATE: October 4, 1985

INT-CL (IPC): C07D 307/58; A61K 31/34

ABSTRACT:

NEW MATERIAL: Achimilic acid A lactone shown by the formula.

USE: An antitumor agent.

PREPARATION: A flower part of dried Achillea millefolium L. Compositae is extracted with a polar organic solvent at room temperature for several days, the extract is separated by the use of water and a lower alkyl alcohol immiscible with water into water and the alcohol. The lower alkyl alcohol layer is extracted with a basic solution. The water layer is acidified and extracted with an organic solvent (e.g., dichloromethane or ethyl acetate) immiscible with water. Further, the prepared acidic substance is separated by silica gel chromatography, to give a compound shown by the formula.

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First Hit**End of Result Set**

L1: Entry 2 of 2

File: DWPI

Apr 14, 1987

DERWENT-ACC-NO: 1987-140952

DERWENT-WEEK: 198720

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TITLE: Achimilic acid-A lactone antitumour agent - prepd. by polar organic solvent
extn. of dried flowers obtd. from Achillea millefolium L

PATENT-ASSIGNEE:

ASSIGNEE

CODE

SHIONOGI & CO LTD

SHIO

PRIORITY-DATA: 1985JP-0222371 (October 4, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 62081379 A	April 14, 1987		003	
<input type="checkbox"/> JP 93052292 B	August 5, 1993		003	A61K031/34

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 62081379A	October 4, 1985	1985JP-0222371	
JP 93052292B	October 4, 1985	1985JP-0222371	
JP 93052292B		JP 62081379	Based on

INT-CL (IPC): A61K 31/34; C07D 307/58

ABSTRACTED-PUB-NO: JP 62081379A

BASIC-ABSTRACT:

Achimillic A lactone of formula (I) is claimed. To prepare (I) dried flower part of Achillea millefolium L. is extracted with polar organic solvent. The extract is partitioned between water and lower alkyl alcohol not miscible with water. The alcoholic layer is extracted with a basic soln.. The aq. layer is acidified and extracted with organic solvent not miscible with water. The acidic substance obtd. was purified by silica-gel column chromatography to give (I).

USE/ADVANTAGE - (I) is useful as antitumour agent with excellent antitumour activity shown below: ILS% on BDFI mouse (male) of 5 or 6 weeks old infected by 10 power 6 P388 leukemia cell as the abdomen (dose of (I)); 38% (2 mg/kg, once), 48% (1 mg/kg per day, 5 times).

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ACID LACTONE ANTITUMOUR AGENT PREPARATION POLE ORGANIC SOLVENT EXTRACT
DRY FLOWER OBTAIN ACHILLEA

DERWENT-CLASS: B03

CPI-CODES: B07-A02; B12-G05; B12-G07;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

F012 F013 F014 F015 F113 G036 G038 G552 H4 H401

H461 H7 H720 H8 J5 J521 J561 J581 L9 L942

M1 M116 M210 M211 M240 M262 M281 M311 M312 M321

M332 M341 M342 M372 M391 M413 M510 M521 M530 M541

M710 M800 M903 M904 P632 P633

Markush Compounds

198720-17601-N

Registry Numbers

87140 1286M

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1987-058865